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CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
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a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
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KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH,
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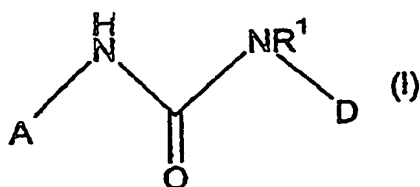
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DIARYLUREA DERIVATIVES AND THEIR USE AS CHLORIDE CHANNEL BLOCKERS



(57) Abstract: The present invention relates to novel diarylurea derivatives repre-
sented by general formula (I) useful as chloride channel blockers. In other aspects
the invention relates to the use of these compounds in a method for therapy, such as
for the treatment of bone metabolic diseases, diseases responsive to modulation of
the mast cell or basophil activity, diseases responsive to inhibition of angiogenesis,
or sickle cell anaemia, and to pharmaceutical compositions comprising the com-
pounds of the invention.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/DK 03/00575

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C275/26 C07C275/28 C07D257/04 C07D207/00 A61K31/17
 A61K31/41 A61P19/00 A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03 000245 A (POSEIDON PHARMACEUTICALS AS ; DAHL BJARNE H (DK); MADSEN LARS SIIM) 3 January 2003 (2003-01-03) the whole document	1-20
X	WO 02 39987 A (DAHL BJARNE H ; NEUROSEARCH AS (DK); CHRISTOPHERSEN PALLE (DK)) 23 May 2002 (2002-05-23) the whole document	1-20
X	WO 98 47879 A (NEUROSEARCH AS ; PEDERSEN OVE (DK); CHRISTOPHERSEN PALLE (DK)) 29 October 1998 (1998-10-29) the whole document	1-20

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "a" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 24707 A (DAHL BJARNE H ;NEUROSEARCH AS (DK); CHRISTOPHERSEN PALLE (DK)) 4 May 2000 (2000-05-04) the whole document ---	1-20
X	WO 97 45400 A (NEUROSEARCH AS ;PEDERSEN OVE (DK); CHRISTOPHERSEN PALLE (DK)) 4 December 1997 (1997-12-04) the whole document ---	1-20
X	WO 02 064128 A (JAEAEETELAE MARJA ;LADEMANN ULRIK (DK); NEUROSEARCH AS (DK); PETER) 22 August 2002 (2002-08-22) claim 3 ---	1-14
X	WO 97 45111 A (NEUROSEARCH AS ;PEDERSEN OVE (DK); CHRISTOPHERSEN PALLE (DK)) 4 December 1997 (1997-12-04) the whole document ---	1-20
X	WO 94 22807 A (NEUROSEARCH AS ;OLESEN SOEREN PETER (DK); MOLDT PETER (DK); PEDERS) 13 October 1994 (1994-10-13) the whole document ---	1-20
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK 03/00575**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 20
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 20

Claim 20 relates to methods of treatment of the human or animal body by surgery or by therapy or diagnostic methods practised on the human or animal body (PCT Rule 39.1(iv)). Nevertheless, a search has been executed for this claim. The search has been based on the alleged effects of the compounds or compositions.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK 03/00575

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